

ANSWER 10 OF 10 BIOTECHDS COPYRIGHT 1998 DERWENT INFORMATION LTD

AN 91-11280 BIOTECHDS
TI New **bispecific** hybrid monoclonal antibody;
human **cancer** cell e.g. human transferrin receptor and
cytostatic **prodrug**-activating **enzyme** e.g.
urokinase or beta-glucuronidase **bispecific** antibody
production from tetraboma
PA Takeda-Chem.
PI WO 9109134 27 Jun 1991
AI WO 90-JP1631 14 Dec 1990
PRAI JP 90-301608 6 Nov 1990; JP 89-326545 15 Dec 1989
DT Patent
LA English
OS WPI: 91-208160 [28]
AB The following are new: a **bispecific** antibody specific for
a human **cancer** cell (e.g. against human transferrin
receptor) and a **prodrug**-activating **enzyme**, e.g.
urokinase (EC-3.4.21.31) or beta-glucuronidase (EC-3.2.1.31) (which
may convert an inactive glucuronidated cytostatic drug into an
active compound, e.g. adriamycin (doxorubicin), cisplatin,
melphalan, methotrexate, mitomycin-C, vincristine, puromycin,
phenylenediamine mustard, ansamitocin or TAN-1120); a polydoma
producing the antibody; a tetraboma which is the fusion product of
hybridoma 22C6 (producing an anti-human **cancer** antibody)
and hybridoma UK-1-6 (producing an anti-urokinase antibody),
producing the **bispecific** antibody; and a protein complex
comprising the **bispecific** antibody and a coupled
prodrug-activating **enzyme**. Mouse tetraboma
UTF20-7 (FERM BP-3156) is specifically claimed. The
bispecific antibody may be produced in vitro in liquid
culture medium, or in vivo in ascites fluid. The
bispecific antibody, **prodrug** and **enzyme**
may be administered to **cancer** patients to produce
selective cytostatic activity on **cancer** cells, regardless
of their diversity. (56pp)

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(FILE 'HOME' ENTERED AT 08:36:56 ON 24 FEB 1998)

INDEX 'AGRICOLA, AIDSLINE, ANABSTR, AQUASCI, BIOBUSINESS, BIOSIS,
BIOTECHABS, BIOTECHDS, CABA, CANCERLIT, CAPLUS, CEABA, CEN, CIN,
CJACS, CJELSEVIER, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE,
DISSABS, DRUGB, DRUGLAUNCH, DRUGNL, DRUGU, EMBAL, EMBASE, ...'
ENTERED AT 08:37:40 ON 24 FEB 1998

SEA BISPECIFIC AND (CANCER OR TUMOR OR TUMOUR) AND ENZYME

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2 FILE BIOBUSINESS
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L1 QUE BISPECIFIC AND (CANCER OR TUMOR OR TUMOUR) AND ENZYME

SEA L1 AND PREDRUG AND (THERAP? OR TREAT?)

L2 QUE L1 AND PREDRUG AND (THERAP? OR TREAT?)

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L4 QUE L3 AND PRODRUG

FILE 'USPATFULL, EMBASE, BIOTECHDS, CAPLUS, SCISEARCH, CJACS,
TOXLIT, BIOSIS, CANCERLIT, MEDLINE, PROMT, TOXLINE, WPIDS' ENTERED
AT 08:56:53 ON 24 FEB 1998

L5 32 S L3 AND PRODRUG
L6 24 DUP REM L5- (8 DUPLICATES REMOVED)
L7 12 S L5 AND ENZYME(25W)BISPECIFIC
L8 10 DUP REM L7 (2 DUPLICATES REMOVED)